

BATTERY LATCH AND METHOD

ABSTRACT OF THE DISCLOSURE

A battery latch for a portable electronic device is made of a resilient material and includes integral spring members that make the use of a separate steel spring unnecessary.

5 The battery latch is low-profile, allowing it to be easily integrated into a housing with limited space. The battery latch includes protruding members that are biased by the integral spring members into a recess that is designed to receive the battery pack. The protruding members include a beveled or curved surface that the battery pack presses against when the battery pack is being pressed into place. The force of the battery pack
10 overcomes the bias of the integral spring members and forces the battery latch into the housing, thereby making room for the battery pack to slide past the protruding members of the battery latch. The battery pack includes recesses that align with the protruding members of the battery latch once the battery pack is fully seated in the housing. As the battery pack is fully seated in the housing, the integral spring members push the
15 protruding members into the recesses in the battery pack, thereby holding the battery pack in place. The battery latch includes a slide button that allows a user to disengage the battery latch from the battery pack so the battery pack can be removed from the housing. The battery latch can be assembled into a housing using no tools by simply snapping the slide button through a hole in the housing into the battery latch that is placed inside the
20 housing.